

10

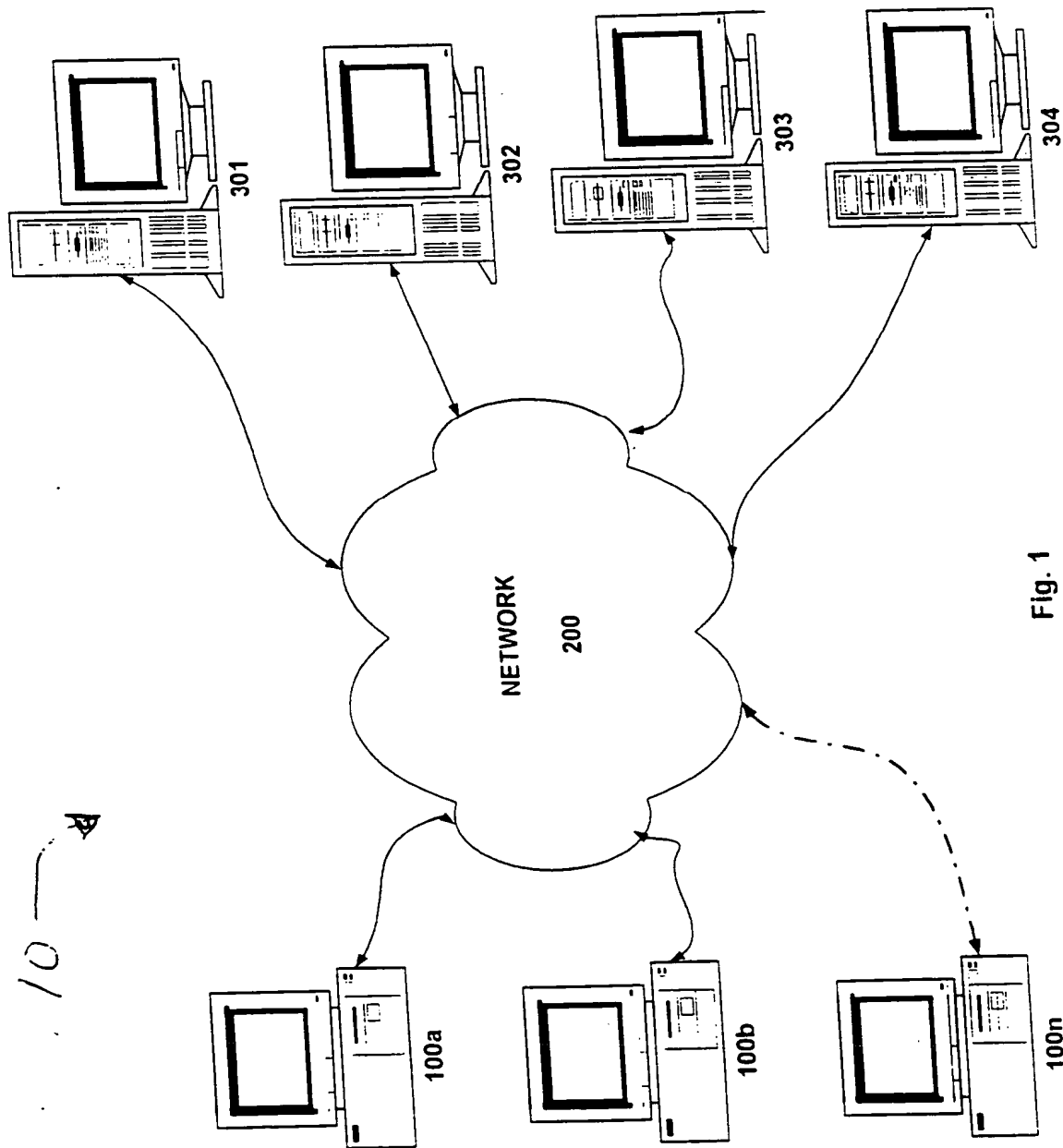


Fig. 1

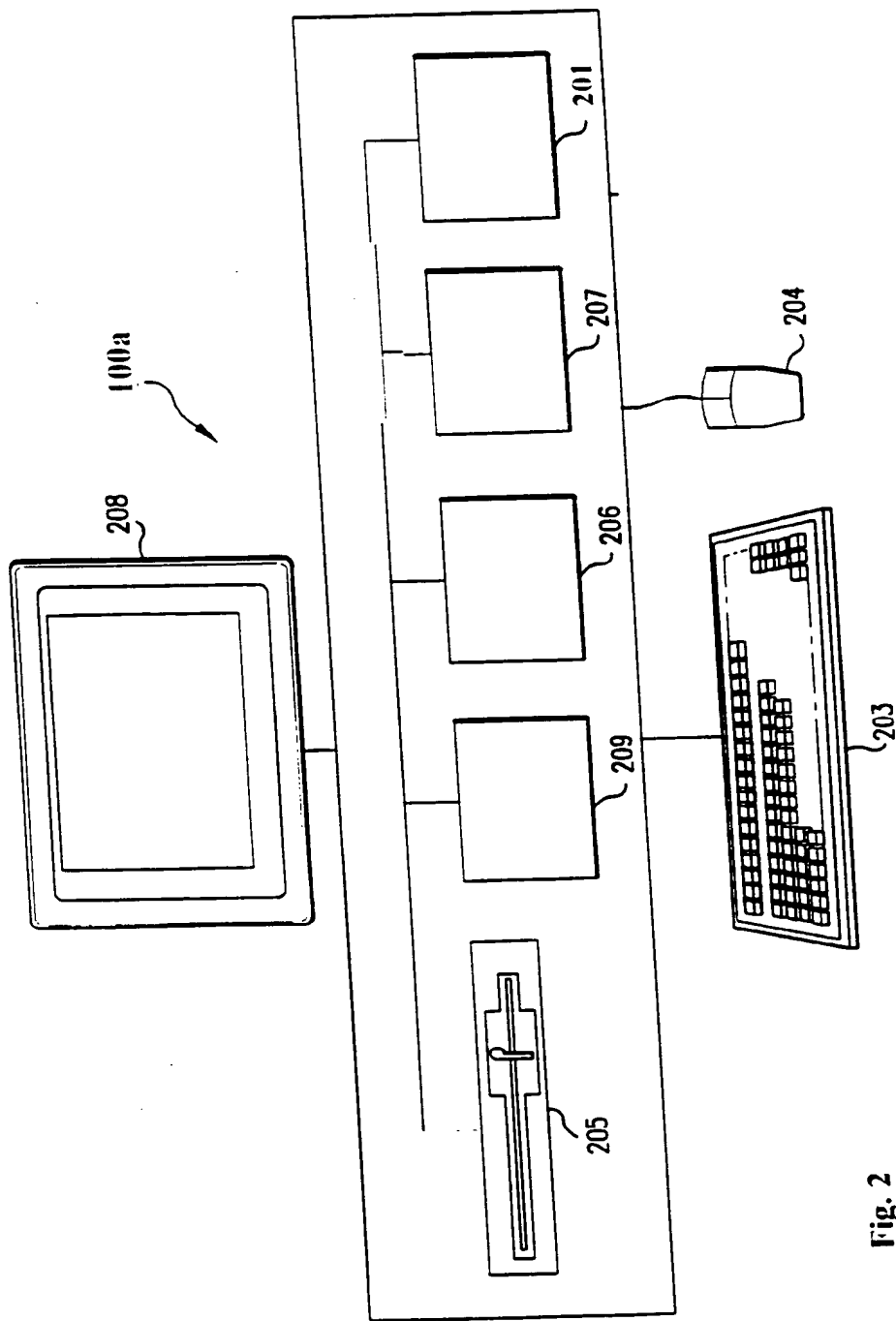


Fig. 2

| | |
|----------------------|---|
| Tech | Design Issues |
| User's | John Puris |
| Help | Jeff Backley |
| Prod' | Franklin Miller |
| Items | Sara Comer |
| Hoffman | Way Carrier |
| Intro to | Subject: A Beginner's Guide to the World of Computers |
| Design Issues | To: Andrew W. Hoffman - 100 |
| Design Issues | Subject: A Beginner's Guide to the World of Computers |
| Design Issues | I will resist playing a little yesterday. |
| Design Issues | Ever wanted to try to save a piece in a message and want up starting replies to one of them, just to get the attribution? |
| Design Issues | On a copy from a message window, now add another choice of error to the database the reply to a attribution for the message. |
| Design Issues | There are four or more as all, and that attribution is what the entire section |
| Design Issues | A. L. O. J. M. J. D. U. T. Z. S. B. L. K. P. H. M. V. L. E. R. P. P. S. J. S. |
| Design Issues | Some time has this point validity = dup. The don't all POP3, I've seen it all, POP3 |
| Design Issues | which catches mail, especially POP3 which catches mail at the user wants to be |

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Fig. 3A

| | |
|----------------------|--|
| Test | |
| Cash | |
| Batteries | |
| Pull | |
| Lev | |
| Malade | |
| Salebags | |
| Orange Juice | |
| Design Data | |
| Jump | |
| A | |
| Dia | |
| Portaria | |
| Arrows & Boxes | |
| Hatch | |
| Apps | |
| Eudine | |
| Eudine Doug | |
| Totals - Jgr | |
| Volving at | |
| VHF | |
| Books | |
| Qualcomm | |
| Niceville, Fla. Etc. | |
| Volunteering | |
| Misc | |

[illegible][illegible]

541

[illegible]

74085 75-14400-010-0000

1. The first step is to identify the problem or goal. This involves understanding the current situation and what needs to be achieved.

How do you get the attribution?

... data to the clipboard; the file is y...

Cracov for a message air-200, (new) 433 at 1.10 - 1.10

13-all attributive for 1:2 or 3 angle.

lines - it is a further source of uncertainty in

T-30, as part of the P.S. program, and

1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific requirements of the task.

[Illegible text]

THE

ॐ नमो भगवते वासुदेवाय

THE UNIVERSITY OF CHICAGO

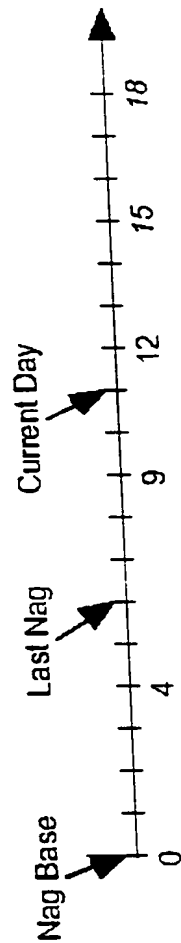
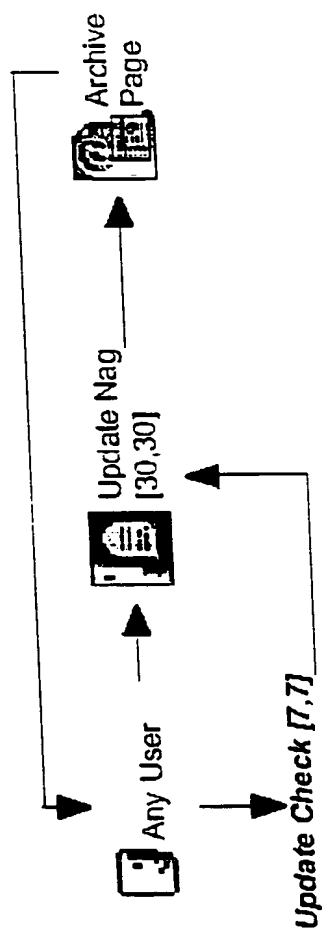
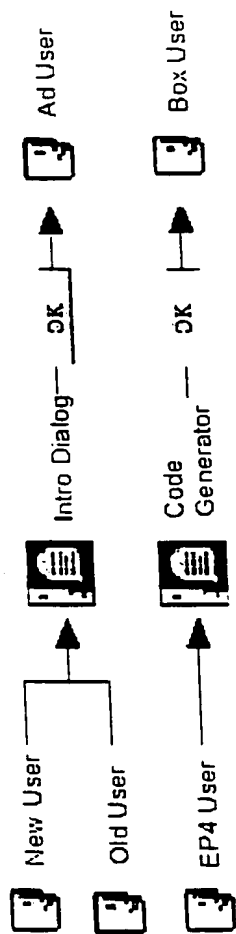
11

1

Fig. 3B'

291

Fig. 3B.



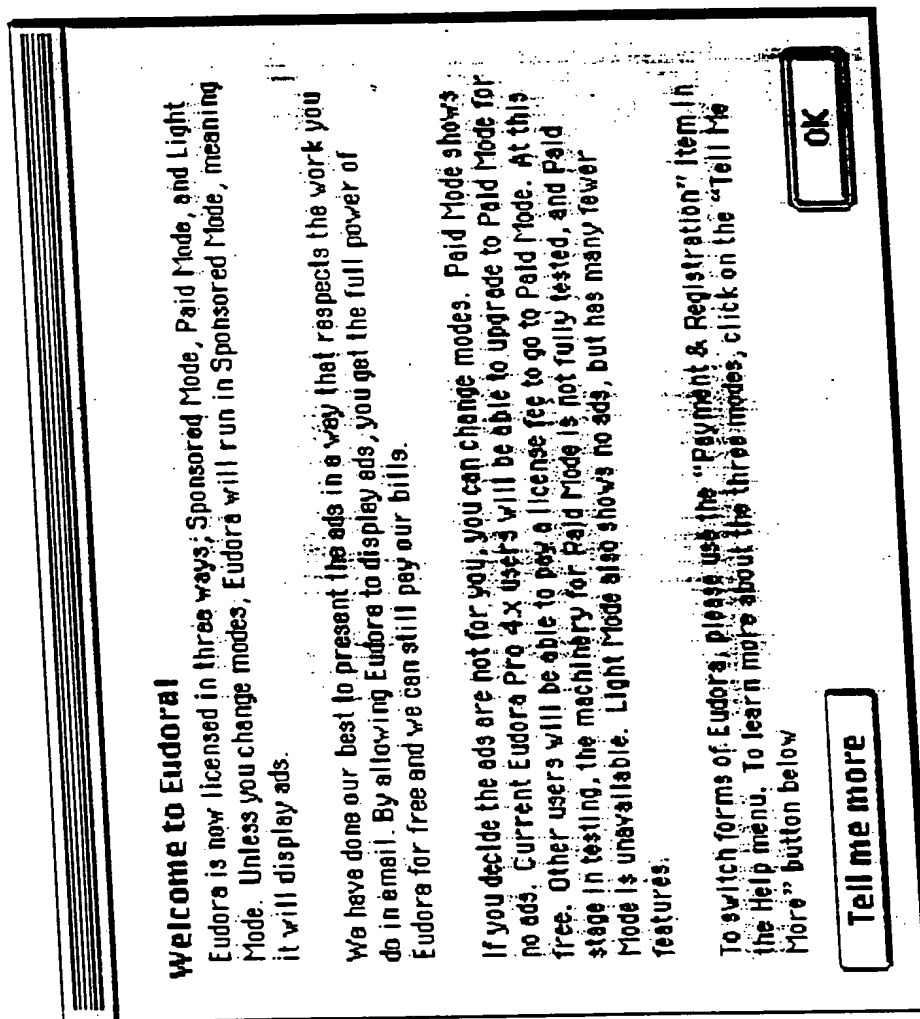


Fig. 4B

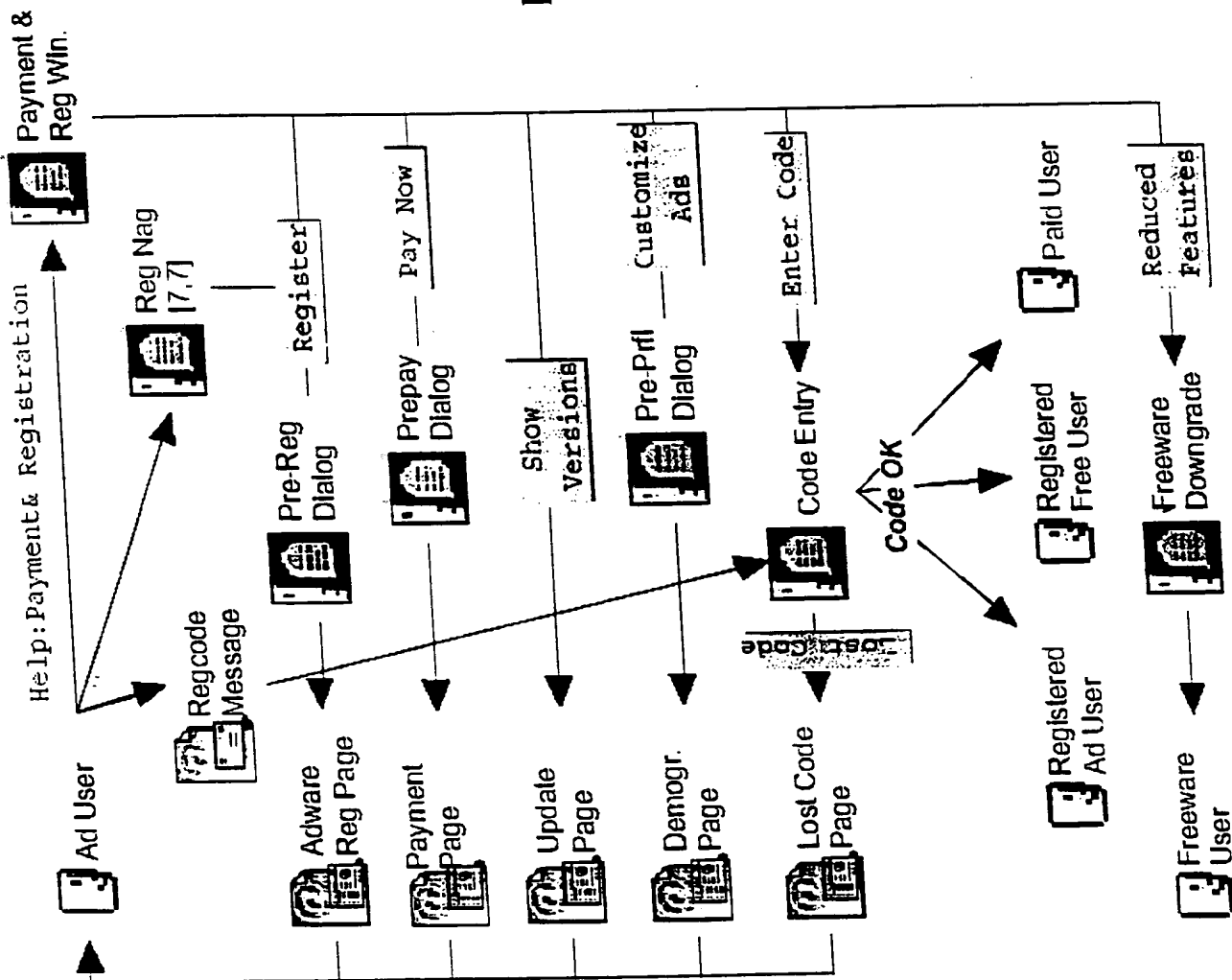


Fig. 5A

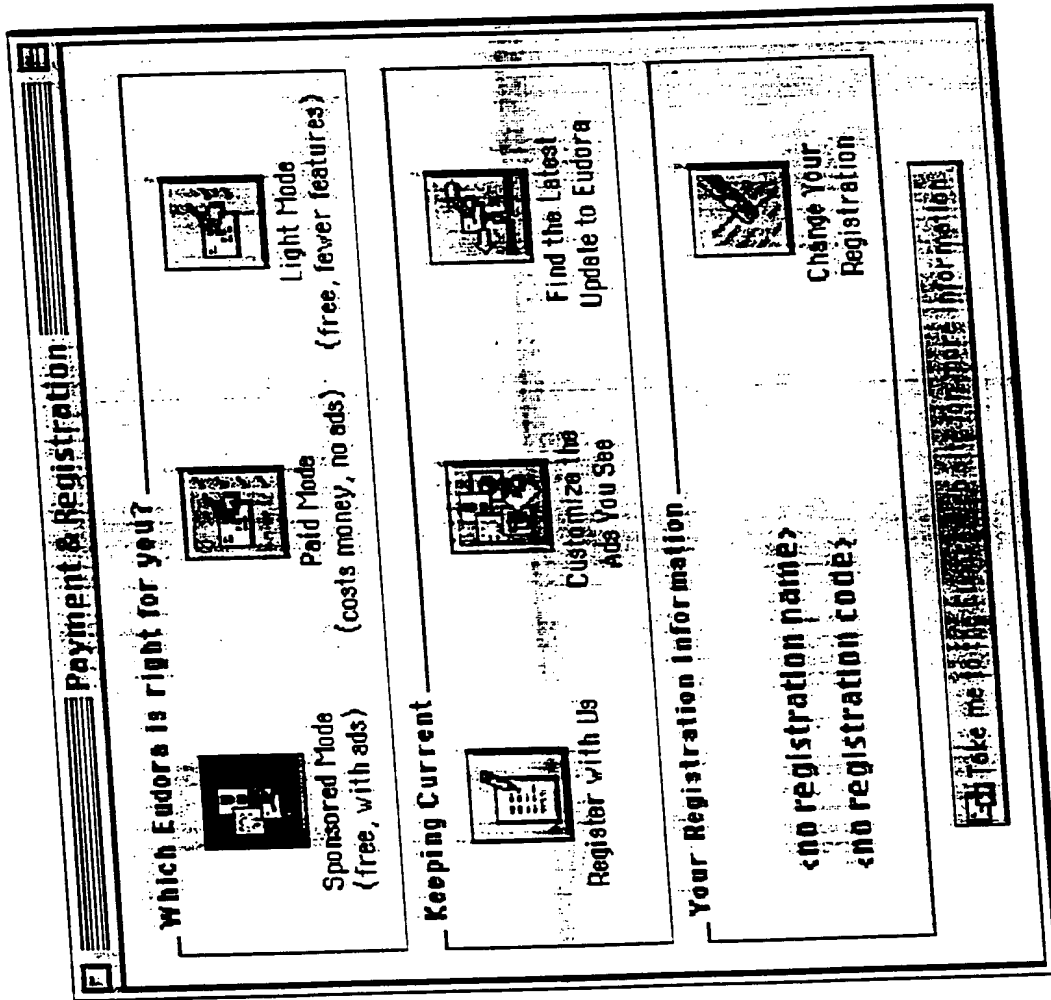


Fig. 5B

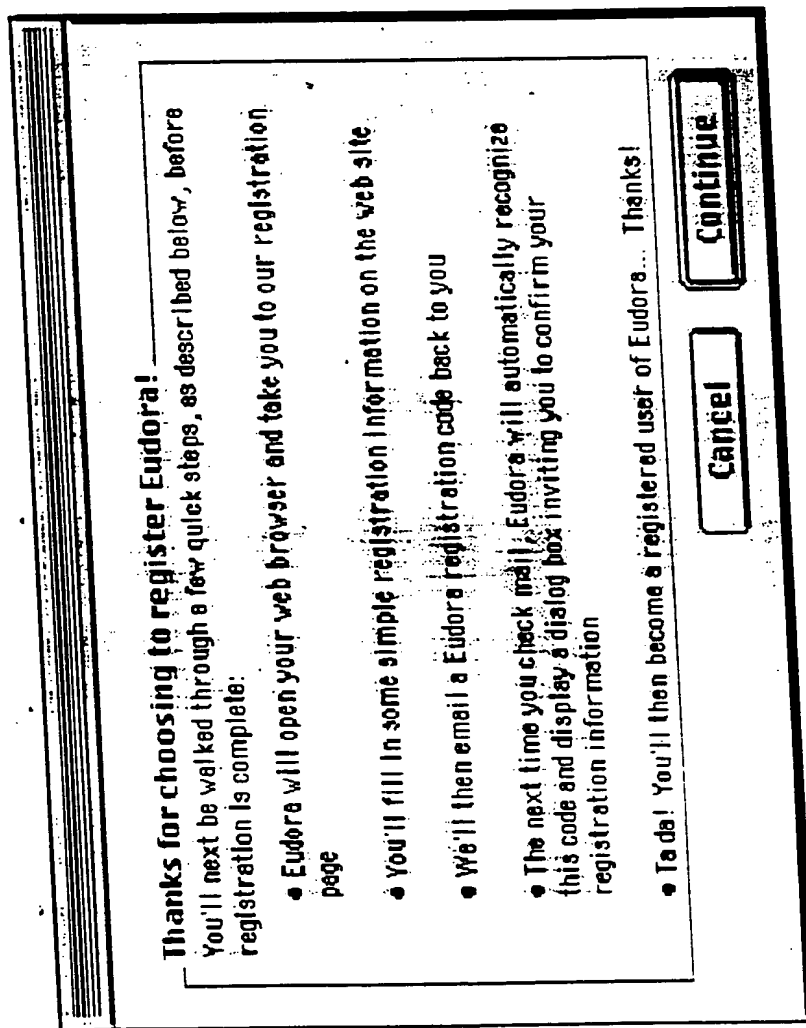


Fig. 5D

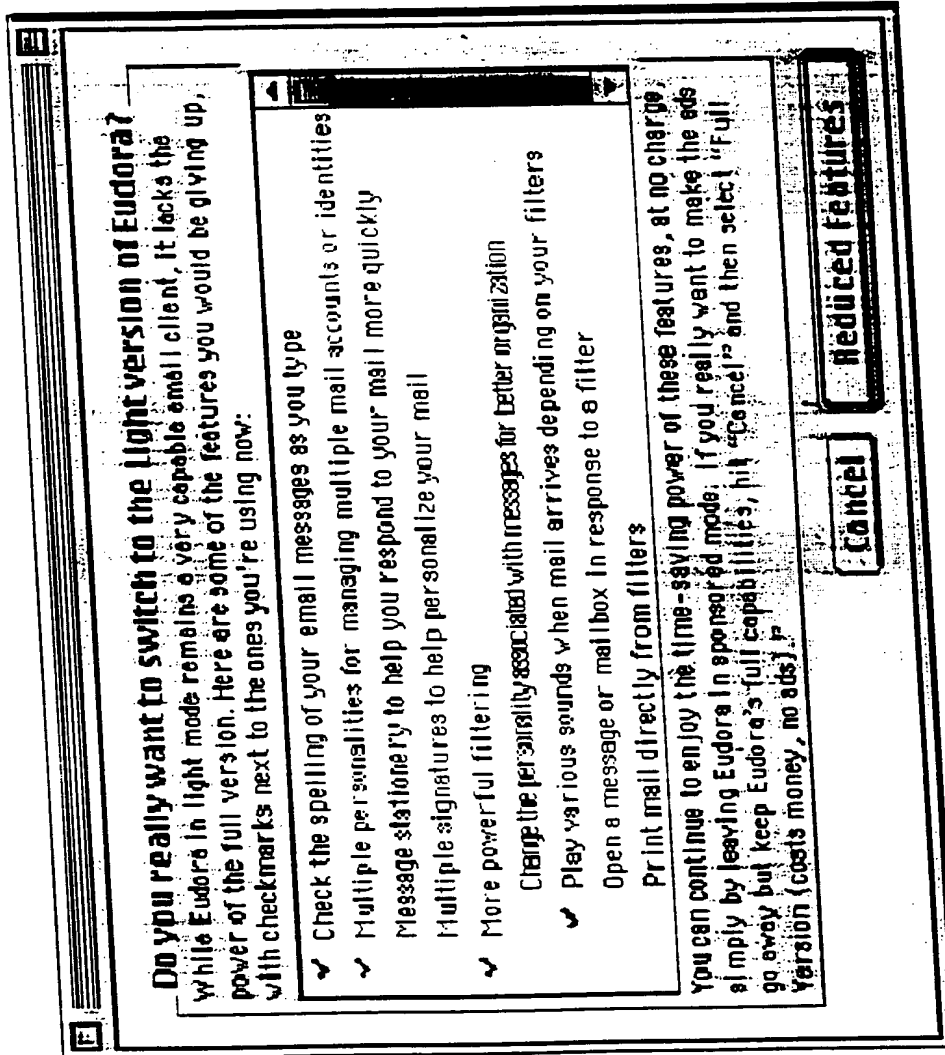
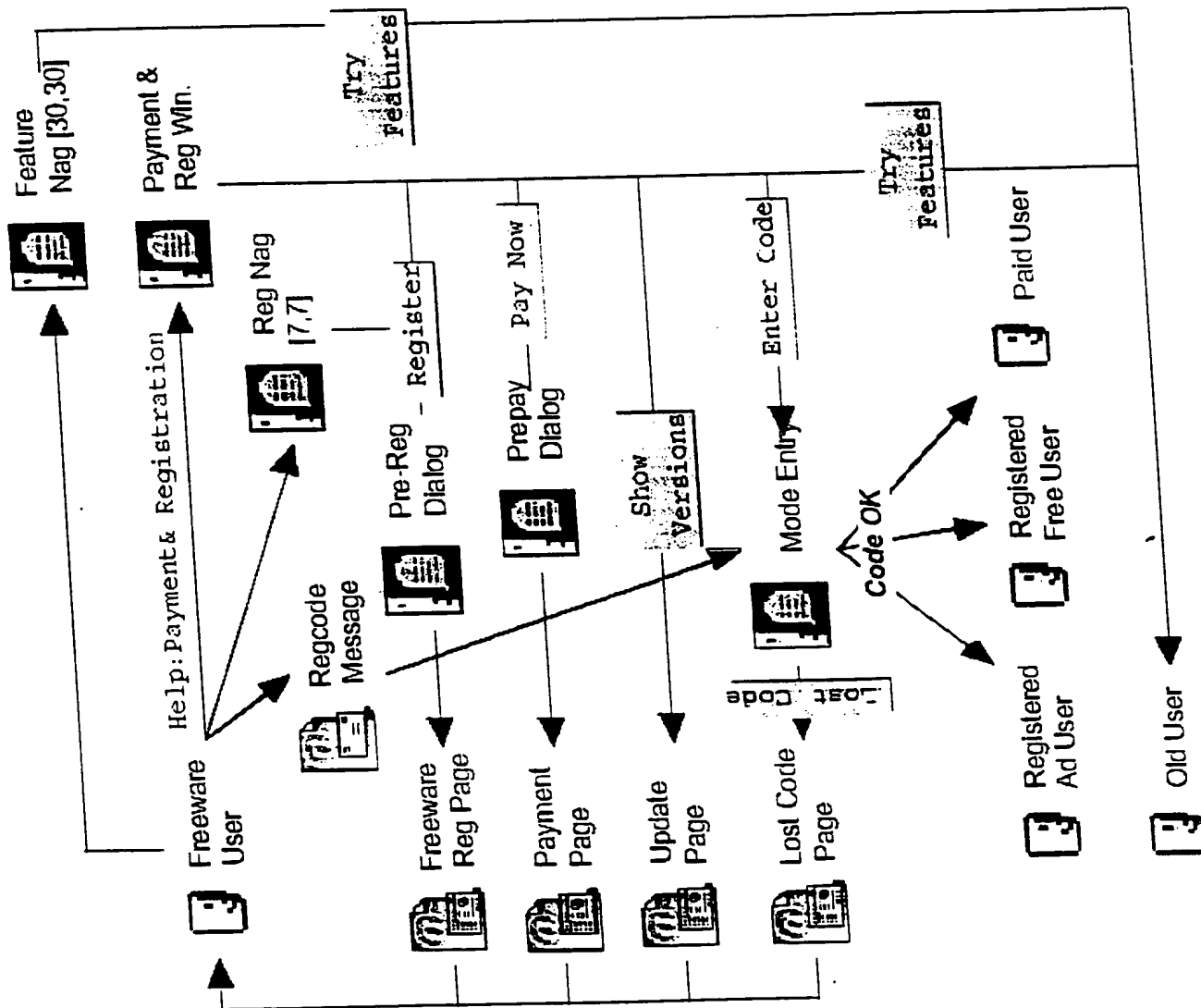


Fig. 5G



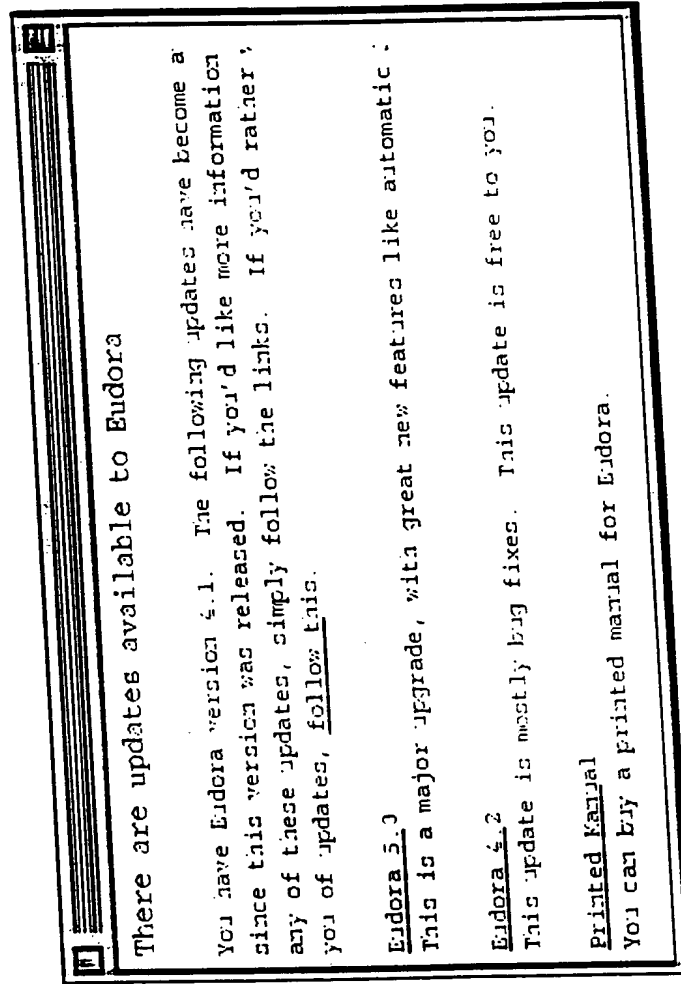


Fig. 7B

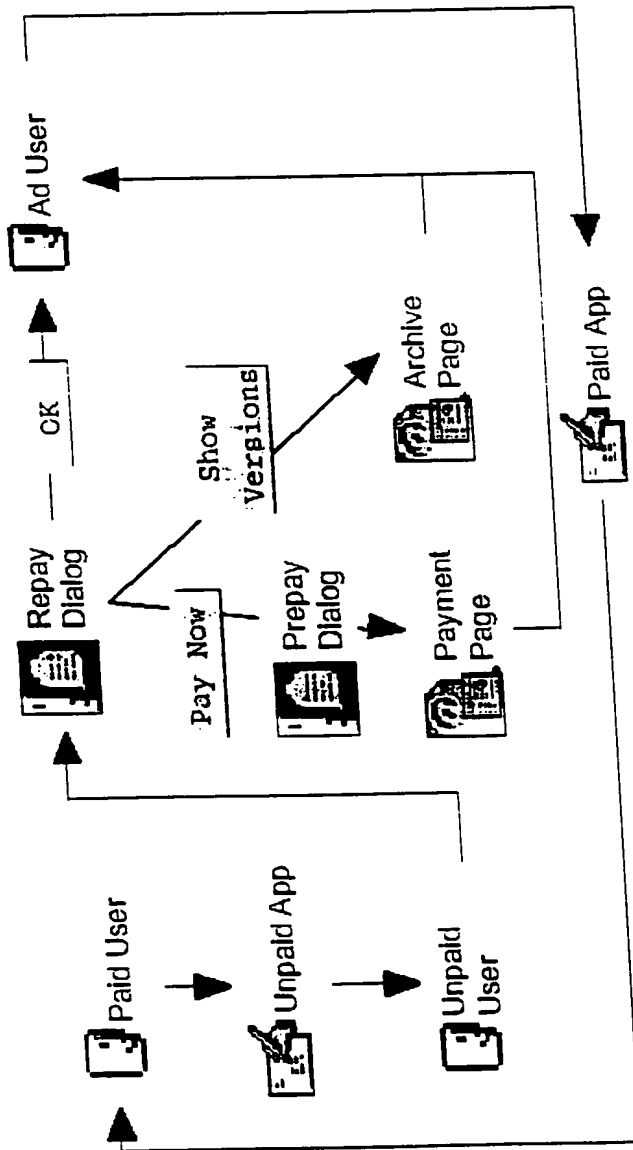


Fig. 9

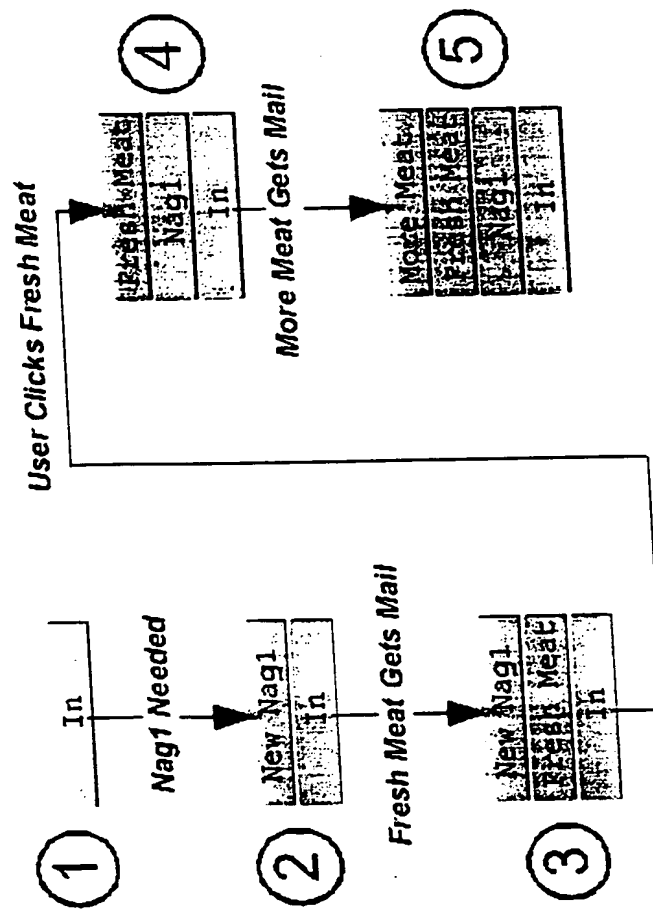


Fig. 10

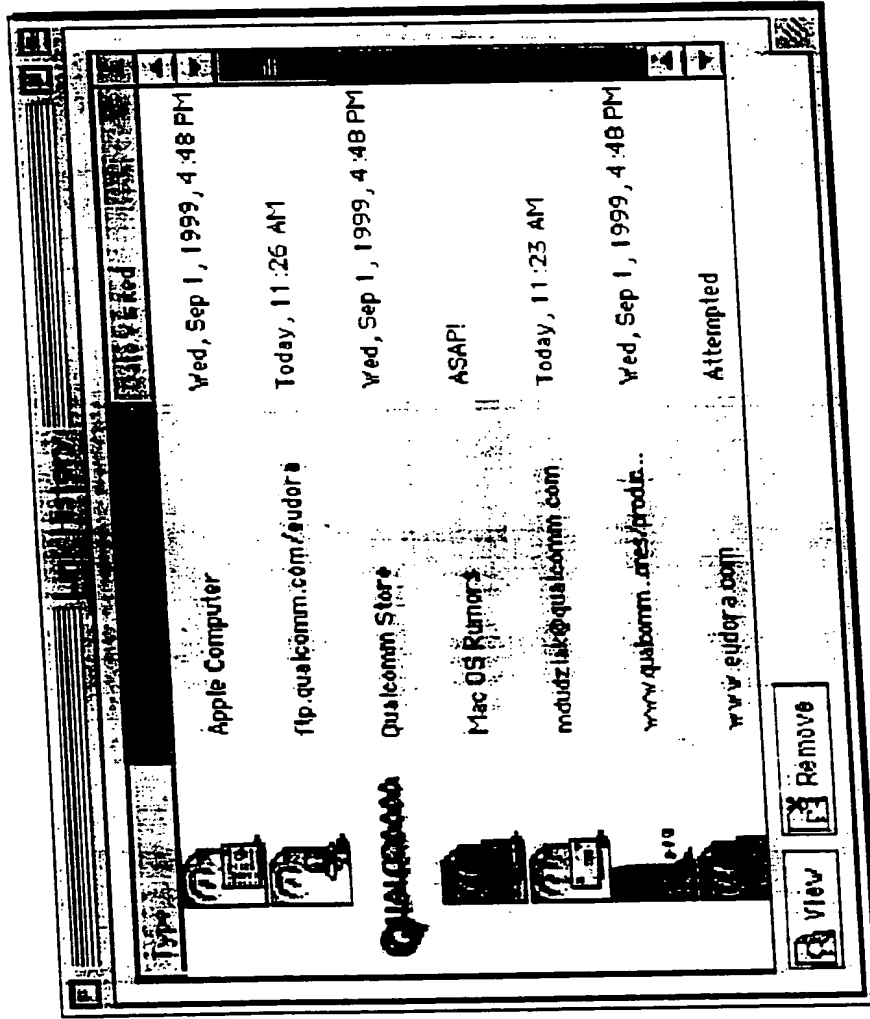


Fig. 12A

You Can't Get There From Here

You're not connected to the Internet now. Help me cope.

connect you and visit the site, record a bookmark for later

remind you to visit it next time you are connected.

Visit Now

Connect to the Internet and visit the site

Bookmark

Bookmark this site to visit later

Remind Me

Bookmark the site, and remind you when you're connected to the Internet

☐ Remember your choice for next time

Fig. 12B

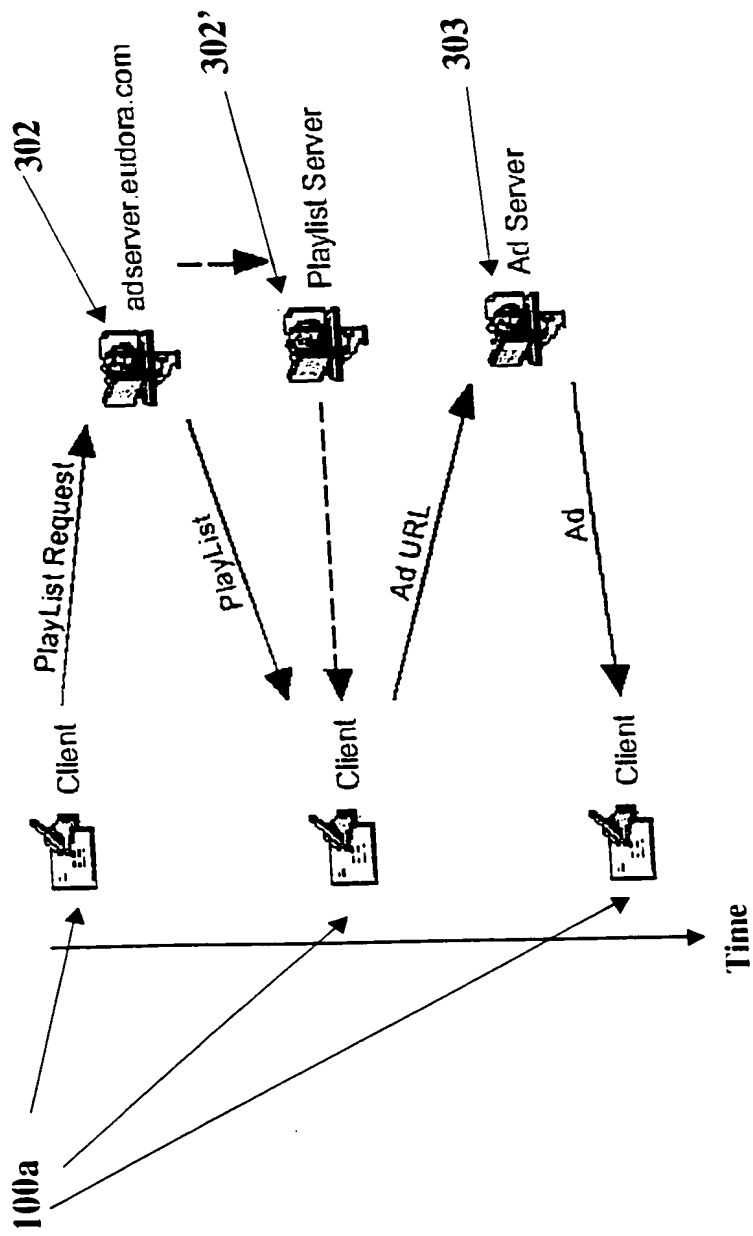


Fig. 14

```

////////////////////////////////////
// Main ad scheduler
ScheduleMain
{
// Has a new day dawned?
Do CheckForNewDay
// Are we are within the current ad's showFor?
if ( ad.thisShowTime < ad.showFor )
{
// there is nothing to be done
return
}
// At this point, we know that we need a new ad
// Perform housekeeping tasks on the old one
Do AdEndBookkeeping
// Pop out of a block if all ads on par
if ( block isn't all playlists )
{
find ad with minimum ad.numberShown
if ( ad.numberShown >= blockGoal )
set block to all playlists
}
// If we are over our quota of regular ads for the day,
// look for a runout
if ( adFaceTimeToday > faceTimeQuota )
{
Do ShowARunout
}
else
{
Do ShowARegularAd
}
}
// end ad schedule main

```

Fig. 15A


```

////////////////////////////////////
// Rerun state. Look for a regular ad to rerun
ShowARerun
{
for regular ads [ in current block ]
{
// has the ad been flushed?
if ( ad.flushed )
try next ad
// is this ad recent enough to rerun?
if ( ad.lastShownDate is older than returnInterval )
try next ad
// this one is too old to rerun
// if in block, show ads only if it's their "turn"
if ( ad.numbersShownToday >= blockGoal )
try next ad // need to find a friend in this block
// are we between the ad's start and end dates?
if ( ad.startDate < the current date < ad.endDate )
try next ad
// the ad is not supposed to run today
// do we actually HAVE the ad?
if ( ad has not been downloaded )
{
ask for ad to be downloaded
try next ad
}
// ok, at this point we can show this ad, but because
// we're in rerun, we don't keep the books
Do ShowAnAd
return
}
// if we get here, we have no ads to show. Punt.
return
}
// end ShowARerun

```

Fig. 15D

```

////////////////////////////////////
// Show a regular ad
ShowARegularAd
{
for regular ads [ in current block ]
{
// has the ad been flushed?
if ( ad.flushed )
try next ad
// are we done showing this ad today?
if ( ad.numberShownToday > ad.dayMax )
try next ad // this one's used up for the day
// if in block, show ads only if it's their "turn"
if ( ad.numberShownToday >= blockGoal )
try next ad // need to find a friend in this block
// are we done showing this ad for ever and ever?
if ( ad.shownFor > ad.showForMax )
try next ad // this one's used up forever
// are we between the ad's start and end dates?
if ( ad.startDate < the current date < ad.endDate )
try next ad
// the ad is not supposed to run today
// do we actually HAVE the ad?
if ( ad has not been downloaded )
{
ask for ad to be downloaded
try next ad
}
// ok, we believe we should show this ad
// we are now in regular state
Do ShowAnAd
return
}
// If we get here, we have failed to find a regular
// ad. Go to runout
Do ShowARunout
}
// end ShowARegularAd

```

Fig. 15E

```

////////////////////////////////////
// Perform necessary housekeeping when we're taking
// down an ad
AdEndBookkeeping
{
// In rerun state, we don't do any bookkeeping
if ( in RerunState )
return
// Account for at most ad.showFor seconds, provided
// we've shown the ad for at least ad.showFor seconds
// Note that this means we don't charge for time beyond
// ad.showFor seconds, which is important
if ( ad.thisShowTime >= ad.showFor )
{
ad.numberShownToday += ad.showFor
ad.shownFor++
// we do NOT reset thisShowTime here, we do it in
// AdStartBookkeeping. It actually doesn't matter where
// we do it, provided we are careful NOT to do it for
// runout ads.
}
}
// end AdEndBookkeeping

```

Fig. 15F

```

////////////////////////////////////
// Show an ad, including bookkeeping and block handling
ShowAnAd
{
// If the ad is in a block, notice that
if ( it's in a "block" playlist )
{
if ( not currently in a block )
{
find ad in block with minimum numberShown
make that our ad
set blockGoal to minimum numberShown+1
}
set current block to this playlist
}
// now do bookkeeping
Do AdStartBookkeeping
// and actually show it
Do DisplayThatAd
}

```

Fig. 15G

```

////////////////////////
// Perform housekeeping when we put up an ad
AdStartBookkeeping
{
// In rerun state, we don't do any bookkeeping
if ( in RerunState )
return
// For regular ads
if ( it's a regular ad )
{
ad.thisShowTime = 0
ad.lastShownDate = now
}
}
// end AdStartBookkeeping

```

Fig. 15H

| Persistent Ads | |
|---|---|
| PlayList Request | faceTime Used to determine how much advertising to send to client faceTimeLeft Not used |
| PlayList Response ClientInfo | reqInterval Relatively large: one or more days flush Used. Single playlist completely specifies list of ads client should have |
| PlayList Response Scheduling Parameters | showForMax Not used |

Fig. 16A

| Short-Lived Ads | |
|---|---|
| PlayList Request | faceTime Not used faceTimeLeft Used to determine how many ads client should receive |
| PlayList Response ClientInfo | reqInterval Not used. Instead, client requests new playlist whenever ads "run low". flush Not used |
| PlayList Response Scheduling Parameters | showForMax Used to determine how long an ad runs |

Fig. 16B

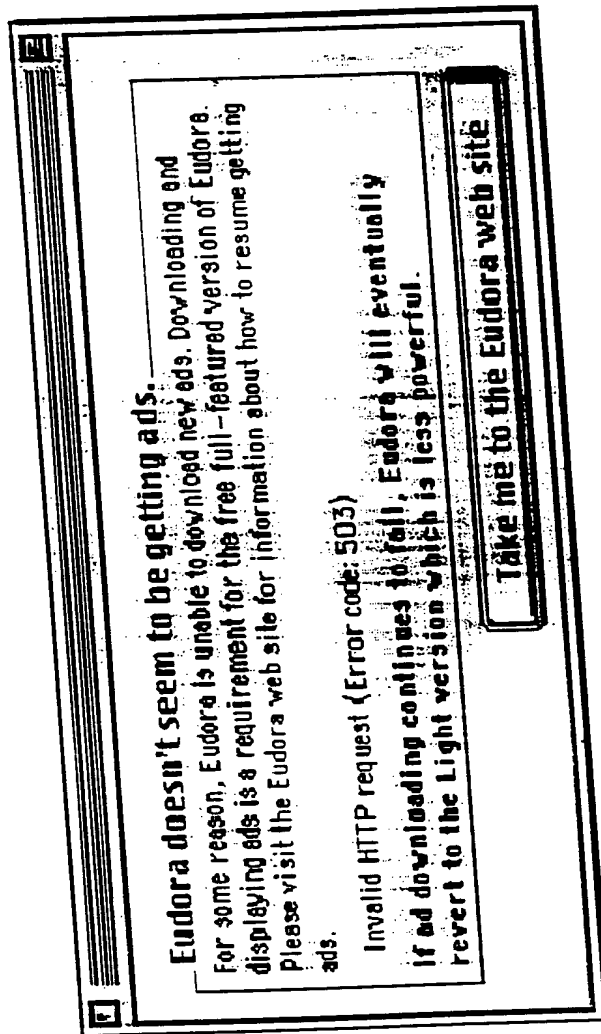


Fig. 17A

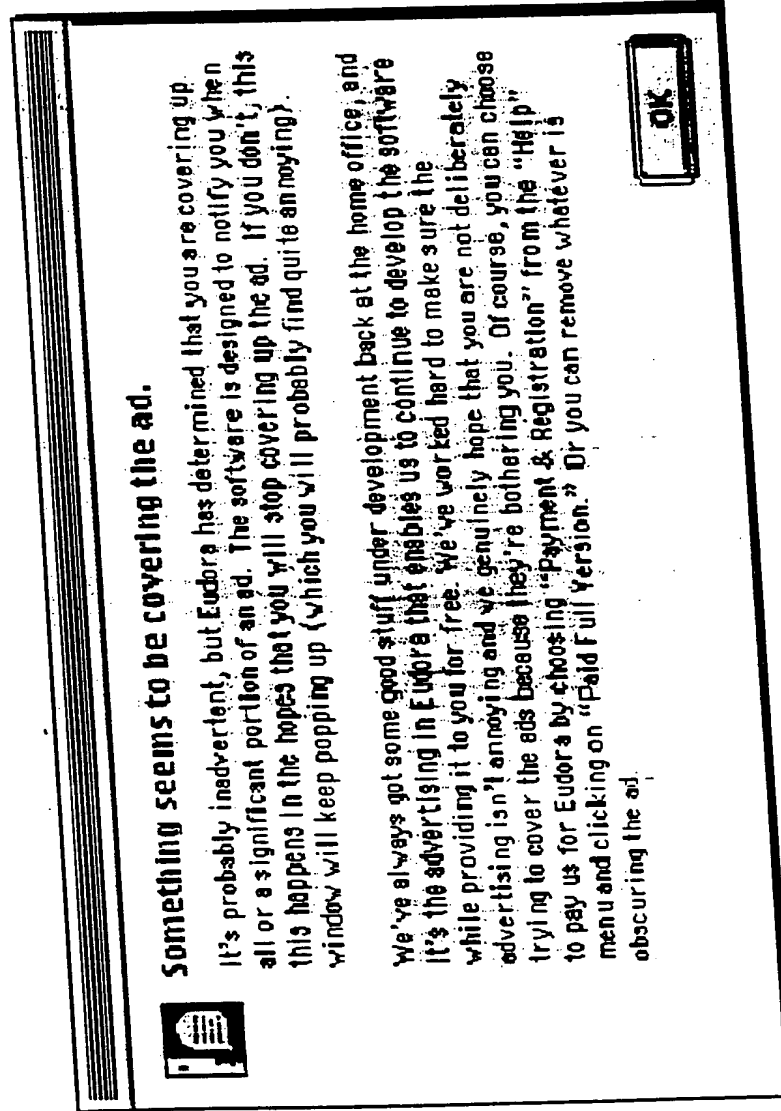


Fig. 17B

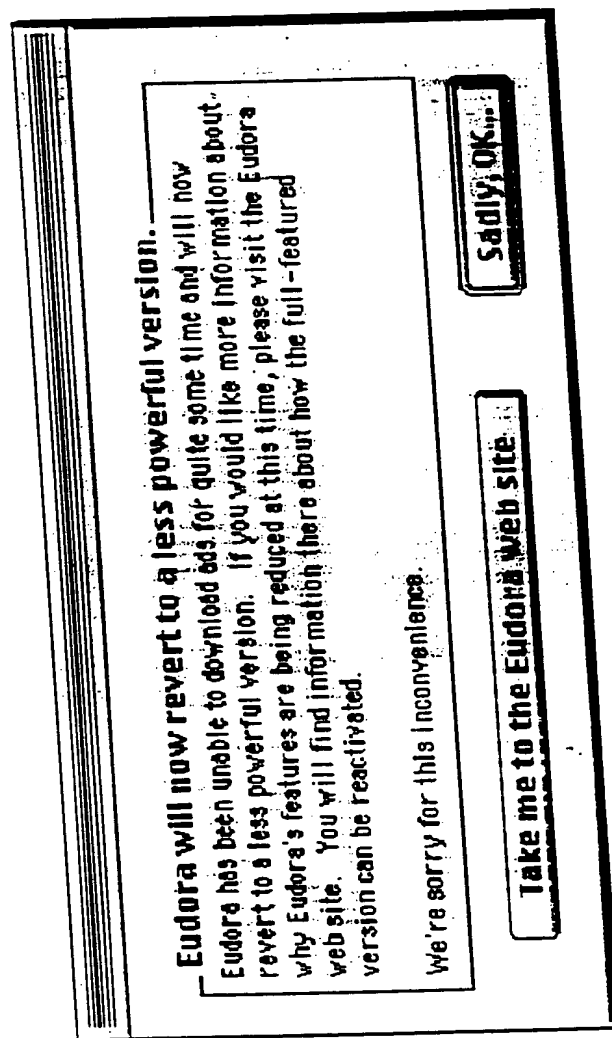


Fig. 17C

We'd like to know how you use Eudora.

In order to make Eudora work as well as possible, it's important that we know how people use it. We ask users for this information at random. Looks like it's your turn. If you're open to helping us this way, all you have to do is click "Generate Info" below and a message will be created. You can review the contents of the message if you like, and then send it to us or not -- that's up to you.

We value our privacy; we're pretty sure you value yours. So we want you to know what we'll be collecting and give you a chance to eliminate anything you don't want to send. Simply uncheck the boxes next to any information you'd rather not send.

Please understand that as soon as we receive your email, we will throw away the headers that identify the mail as coming from you. You see, we don't actually need to know who you are to find your information helpful. So we promise to protect your privacy and turn you into "just a number." :-)

It's OK to transmit statistics regarding:

☒ Your demographic data

☒ Your Net/Eudora usage

☒ Advertisements information

☒ Eudora features you use

☒ Non-personal settings

Generate Info

Cancel

Fig. 18A

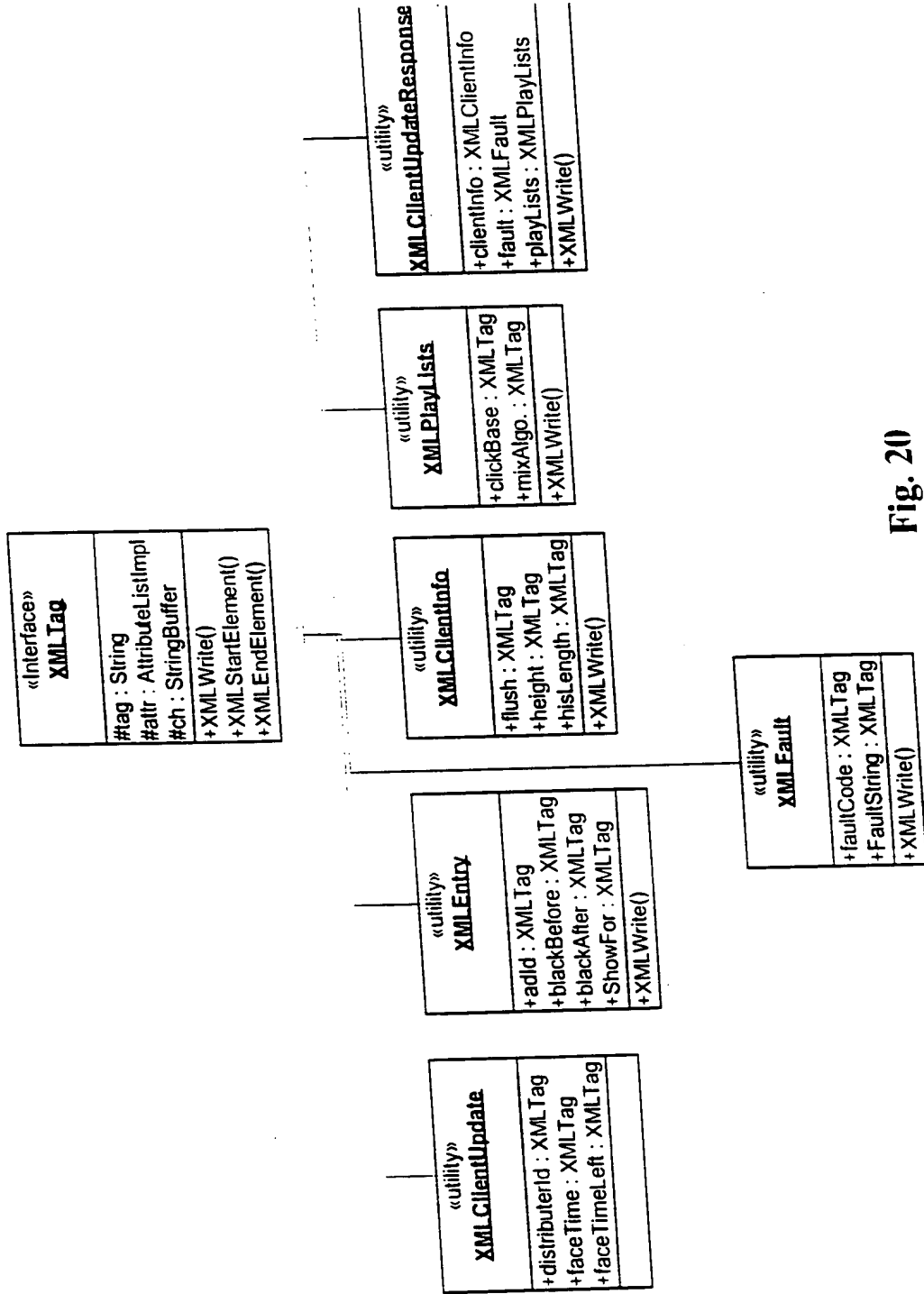


Fig. 20

* The list of available ads advantageously can be built from the following query:

```
ads = dbCon.prepareStatement("SELECT * FROM ads WHERE StartDate <= today AND endDate >= today + 30 AND
AdType = 'p' AND AdStatus = 'A' AND ImpressionsServed < Impressions ORDER BY ImpressionsServed
ASC);
run out ads = dbCon.prepareStatement("SELECT * FROM ads WHERE StartDate <= today AND endDate >= today +
30 AND AdType = 'R' AND AdStatus = 'A' AND ImpressionsServed < Impressions ORDER BY ImpressionsServed
ASC);
```

* The time required to deliver the ads advantageously can be calculated in the following manner.

```
face time left for today [seconds] = faceTime[today] - faceTimeUsedToday
```

(Comment: Face time left for today is the number of seconds the servlet can use to deliver special ads today.)

```
(Comment: Face time left for today is the number of seconds the servlet can use to deliver special ads today.)
```

```
predict face time [seconds] = SUM( faceTime[tomorrow] , faceTime[tomorrow + 1] , ... faceTime[tomorrow + reqInterval]
)
```

(Comment: Predict face time is the number of seconds the servlet predicts the user is going to have.)

```
goal show time left [seconds] = predict face time - faceTimeLeft
```

(Comment: Goal show time left is the number of seconds that the software provider needs to fill with ads.)

Fig. 21A

```

8 Targeting
  while (face time left for today ) {
    if ad is not in the history {
      select ad {according to target = today}
      face time left for today -= ad.showFor
    }
    next ad
  }

  while (Goal show time left ) {
    if ad is not in the history {
      select ad {according to target}
      goal show time left -= ad.showFor
    }
    next ad
  }

```

Default values:

```

reqInterval = 1 day.
faceTime = 30 minutes
faceTimeQuota is ?
histLength = 31 days

```

Fig. 21B

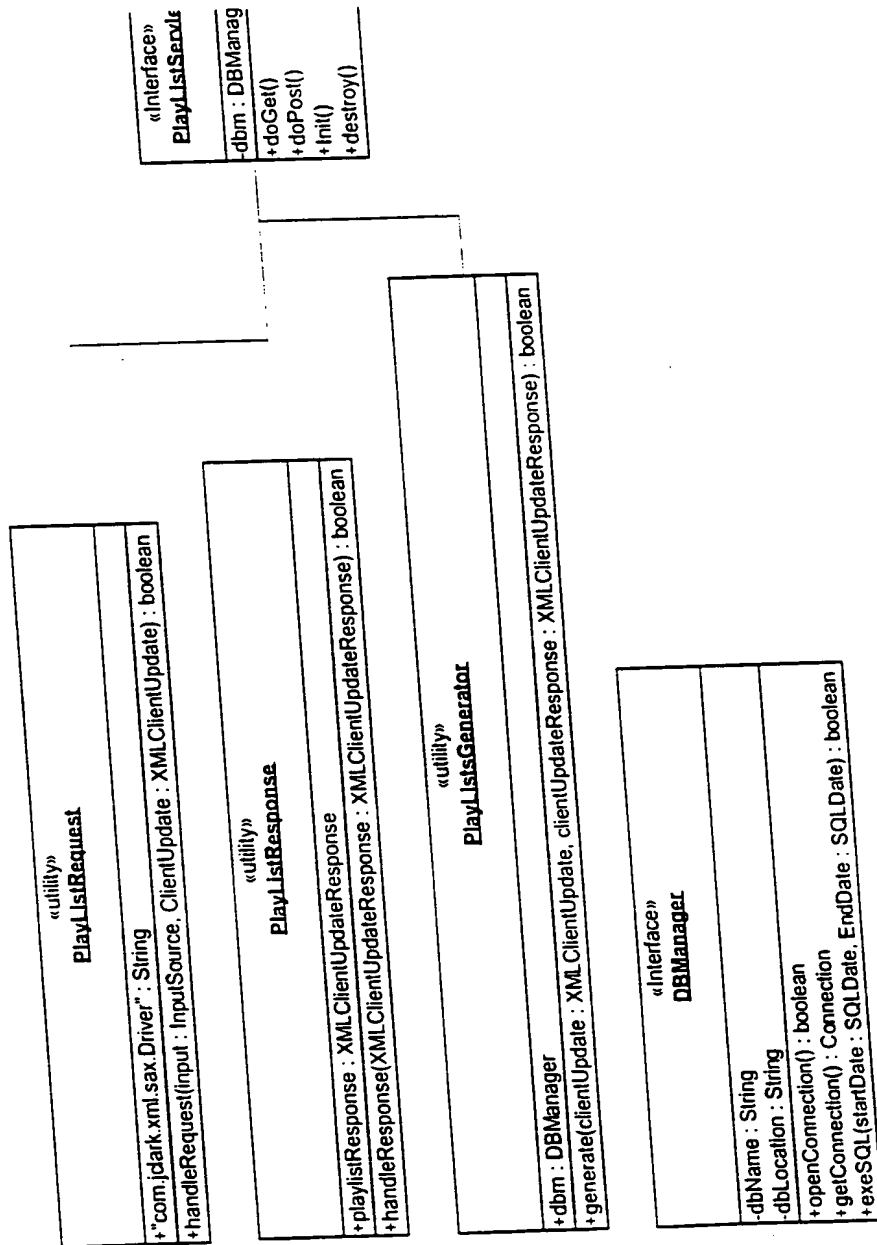


Fig. 22

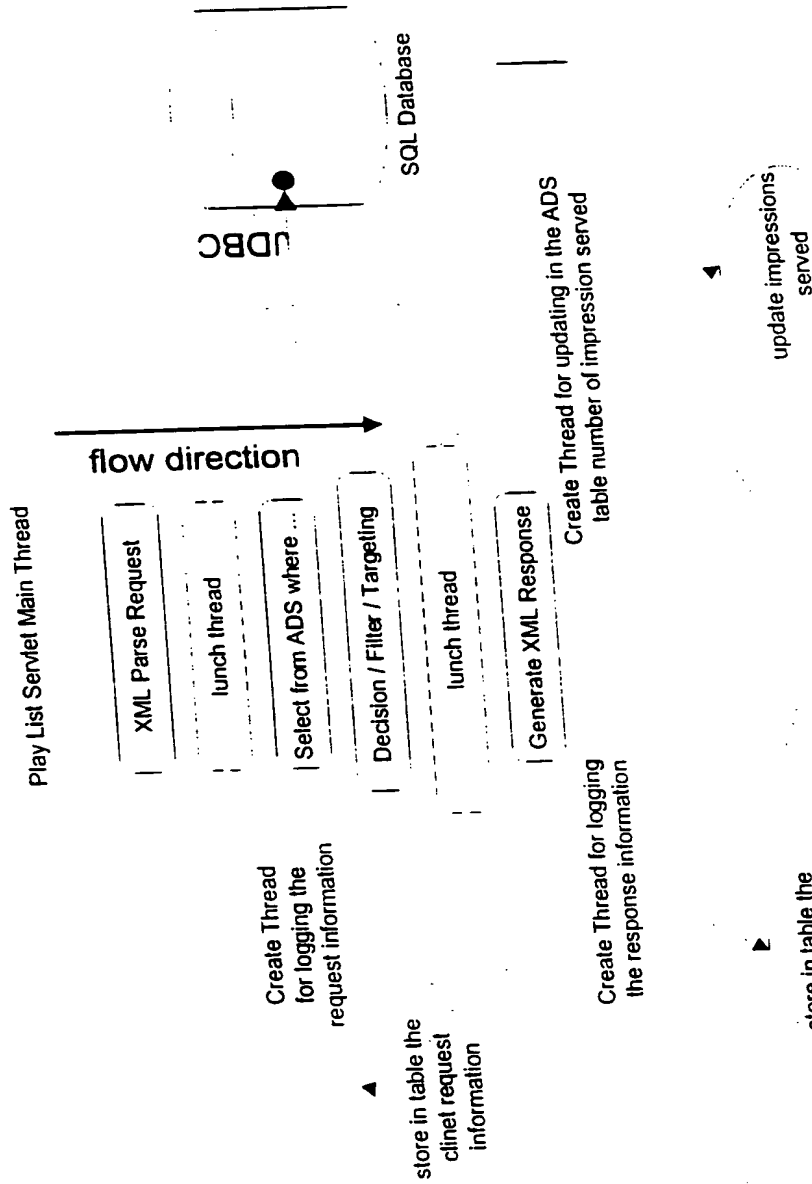


Fig. 23